| 1              | n         | dex      | 0        | f C             | lai      | m       | s                 |              |           | •              |            |                    |          |              |             |                 | No.             |          |     |       |              |                 | Ap       |         |              |              |        |          |          |  |
|----------------|-----------|----------|----------|-----------------|----------|---------|-------------------|--------------|-----------|----------------|------------|--------------------|----------|--------------|-------------|-----------------|-----------------|----------|-----|-------|--------------|-----------------|----------|---------|--------------|--------------|--------|----------|----------|--|
|                |           |          |          |                 |          |         |                   |              |           |                | 10/796,041 |                    |          |              |             |                 |                 |          |     |       | RUKMINTO, BU |                 |          |         |              |              | DΙΑ    | NTC      |          |  |
|                |           |          |          |                 |          |         |                   | III          |           |                |            | E                  | xa       | mir          | ner         |                 |                 |          |     |       |              |                 | Ar       | t Ui    | nit          |              |        | П        |          |  |
|                |           |          | Ш        |                 |          |         |                   | Ш            |           |                |            |                    |          |              |             |                 |                 |          |     |       |              |                 |          |         |              |              |        |          |          |  |
|                |           |          |          |                 |          |         | - IIII            |              |           |                |            | ] E                | Bria     | n k          | <u>(, (</u> | 3re             | en              |          |     |       |              |                 | 36       | 11      |              |              |        | _        |          |  |
| 1              |           | Reje     | cte      | d               |          | [-      | -                 | (Thre        | ouç<br>Ca | jh nu<br>ncell | me<br>ed   | ral)               |          |              | N           | N               | on-             | -Ele     | ct  | ed    |              | A               |          | Ap      | pe           | al           |        |          |          |  |
| =              | = Allowed |          |          |                 | -        | +       | Restricted        |              |           |                |            |                    |          |              | Interferer  |                 |                 | ∍n       | ıce |       | 0            | Objected        |          |         |              |              |        |          |          |  |
| L              | ١.        |          |          |                 |          | L       |                   |              |           |                |            |                    |          | ,            | ш           |                 | _               |          | _   |       |              | ш               |          |         |              |              |        | J        |          |  |
| Claim          |           |          | [        | Date            |          |         |                   |              | Clai      | m              |            |                    | -        | Date         | <u>—</u>    |                 |                 | $\neg$   | Γ   | Cla   | aim          | Γ               |          | -       | Da           | te           |        |          |          |  |
| <u>= 10</u>    | 1         | T        |          |                 |          | Т       |                   |              | П         | _              |            |                    |          |              |             |                 |                 |          | Ī   |       |              |                 | Т        |         |              |              | T      | П        |          |  |
| Final Original | *         |          |          |                 |          |         |                   | i i          | <u> </u>  | Original       |            |                    |          |              |             |                 |                 |          | ł   | Final | Original     |                 |          | 1       | 1            |              |        |          | ı        |  |
| Ē   Š   Š      | 1         |          |          |                 |          |         |                   | ü            | ₹         | ڗۼ             |            |                    |          |              |             |                 |                 |          |     | 這     | Ę,           |                 |          | ł       |              |              |        |          |          |  |
|                | 火         | -        |          |                 | $\dashv$ | 4       | $\perp$           | l.           |           |                |            | _                  | _        |              |             |                 |                 |          | ļ   |       |              | Ш               | $\perp$  | $\perp$ | $\downarrow$ | _            |        | Ш        | $\sqcup$ |  |
| (1) V          | 1         | $\bot$   | Ш        | $\sqcup$        | _        | $\bot$  |                   | ▎┕           |           | 51             | 4          | $\bot$             | <u> </u> |              |             |                 |                 |          | ļ   |       | 101          | $\sqcup$        | $\perp$  | ┸       | $\bot$       | _            | _      | $\sqcup$ | ᆚ        |  |
| $\frac{2}{2}$  | 7         | +-       | Н        | $\dashv$        |          | +       | -                 | ▎├           |           | 52             | +          | _                  | ₩        | Щ            | _           | -               |                 | 4        | 1   |       | 102          | ┦               | - -      |         | +            | _            | -      | $\sqcup$ | _        |  |
| 3 /            | Ł         |          | -        | $\vdash$        | -        | +       | +                 | l ⊢          | $\dashv$  | 53<br>54       | +          | +                  | ⊬        | H            | -           |                 | $\vdash$        | -        | }   |       | 103<br>104   | $\vdash$        | +        | +       | +            | +            | +      | $\vdash$ | ᅴ        |  |
| 5              | Ł         | +        | -        | $\vdash$        | +        | ╫       | +                 | l  -         | $\dashv$  | 55             | ╁          | ╁                  | ╁        | Η.           |             | Н               | Н               | $\dashv$ | ŀ   |       | 105          |                 | +        | ╬       | ╁            | +            | +      | $\vdash$ | ႕        |  |
| <u> 6</u>      | 1         | +        | $\vdash$ | $\vdash$        | $\dashv$ | +       | +                 | l  -         | $\dashv$  | 56             | +          | +                  | +        | ┢            |             | $\vdash$        | $\vdash$        | $\dashv$ | ŀ   |       | 106          | $\vdash$        | ╌        | ╁       | +            | ╁            | +-     | $\vdash$ | $\dashv$ |  |
| DE IN          | ↟         | +        | $\vdash$ | $\vdash$        | +        | +       | +                 |              |           | 57             | +          | +                  | t        | <del> </del> |             | $\vdash$        | $\exists$       | $\dashv$ | ŀ   |       | 107          |                 | ╁        | ╁       | +            | +            | +      | $\vdash$ | $\dashv$ |  |
| (a) N          | 1         | 1        | П        | $\Box$          | 1        | +       | $\top$            |              | _         | 58             | +          | +                  | T        | <u> </u>     |             |                 | $\exists$       | 7        | ŀ   |       | 108          | 1               | ╁        | 十       | +            | +            | +      | $\vdash$ |          |  |
| (9) N          |           |          |          |                 |          |         |                   |              |           | 59             |            | 1                  | Τ        | Г            |             |                 |                 | $\neg$   | Ī   |       | 109          |                 | 十        | 十       | 1            | T            | $\top$ | $\Box$   | ヿ        |  |
| 10             | L         |          |          |                 |          |         |                   |              |           | 60             |            |                    |          |              |             |                 |                 |          |     |       | 110          |                 | T        | T       | T            | T            |        |          | ヿ        |  |
| 11             | L         |          |          |                 | $\perp$  | $\perp$ |                   |              |           | 61             |            |                    | L        |              |             |                 |                 |          |     |       | 111          |                 | $\Box$   | $\perp$ | $\Box$       |              |        |          |          |  |
| 12             | ╀         | $\perp$  |          | Ш               | _        | 4       | $\bot$            | l            | _         | 62             | $\perp$    | ļ                  | _        | L            |             |                 |                 | _        | ļ   |       | 112          |                 |          |         |              |              | 1_     |          | _        |  |
| 13             | ╀         | -        | $\vdash$ |                 | _        | +       | -                 | l            | _         | 63             | $\perp$    | $\bot$             | ļ.,      | <u> </u>     |             |                 |                 | _        | ļ   |       | 113          | $\sqcup$        | 4        | 4       |              | 1            | 1      |          | _        |  |
| 14             | +         | -        | $\vdash$ | $\vdash \vdash$ | -        | - -     |                   | -            | $\dashv$  | 64             |            | +                  | 1        | ऻ            | $\vdash$    | $\sqcup$        | $\sqcup$        | $\dashv$ | ŀ   |       | 114          | $\vdash$        | 4        | 4       | +            | +-           | 4-     | $\vdash$ | _        |  |
| 16             | ╀         | +-       | $\vdash$ | $\vdash$        | +        | +       | +                 |              |           | 65<br>66       | +          | +-                 | ┼        | ⊢            | $\vdash$    | -               | $\vdash$        | $\dashv$ | -   |       | 115<br>116   | $\vdash \vdash$ | +        | +       | +            | +            | -      | +        | $\dashv$ |  |
| 17             | +         | +        | $\vdash$ | $\vdash \vdash$ | +        | +       | +                 |              | +         | 67             | +          | +                  | +        | $\vdash$     |             | $\vdash\vdash$  | $\vdash$        | $\dashv$ | ŀ   |       | 117          | $\vdash \vdash$ | +        | +       | +            | +            | +-     | $\vdash$ | $\dashv$ |  |
| 18             | +         | +-       | $\vdash$ | $\vdash \vdash$ | +        | +       | +                 | l ⊢          | -+        | 68             | +          | +                  | ╁        |              |             | $\vdash$        | $\vdash$        | $\dashv$ | H   |       | 118          | $\vdash$        | +        | +       | +            | +            | +      | +        | $\dashv$ |  |
| 19             | t         | $\top$   | Н        | $\vdash \vdash$ | +        | $\top$  | +-                |              |           | 69             | +          | +                  | T        | -            |             | $\vdash$        | $\vdash$        | $\dashv$ | ŀ   |       | 119          | $\vdash$        | +        | +       | +            | +            | +-     | +        | $\dashv$ |  |
| 20             | $\dagger$ | $\top$   | П        | $\vdash$        | $\top$   | $\top$  | $\top$            |              |           | 70             | $\top$     | $\top$             | T        | $\vdash$     | $\vdash$    | $\vdash$        | $\vdash$        | $\dashv$ | t   |       | 120          | $\vdash$        | $\dashv$ | +       | +            | $\top$       | +      | $\vdash$ | $\dashv$ |  |
| 21             |           |          |          | □               |          | 1       |                   |              | T         | 71             | 7          | $\top$             | Т        |              |             |                 |                 | $\neg$   | ı   |       | 121          | $\sqcap$        | $\top$   | $\top$  | 1            | 1            | 1      | $\Box$   | $\neg$   |  |
| 22             | Γ         |          |          |                 |          |         | $oldsymbol{\Box}$ |              |           | 72             | $\perp$    | I                  |          |              |             |                 |                 |          | Ī   |       | 122          |                 |          |         |              |              |        |          |          |  |
| 23             |           |          |          | Ш               |          | $\perp$ |                   |              |           | 73             | $\perp$    | $oldsymbol{\perp}$ |          |              |             |                 |                 |          |     |       | 123          |                 |          | $\perp$ |              | $oxed{\Box}$ |        |          |          |  |
| 24             | $\perp$   | $\perp$  | Щ        | $\sqcup$        | $\perp$  | 4       | $\perp$           | L            |           | 74             | $\perp$    | _                  | 1        |              | Ш           | Ш               | Ш               | $\Box$   |     |       | 124          | Ц               |          |         |              | $\perp$      |        | $\sqcup$ |          |  |
| 25             | ╀         | - -      | Щ        | $\sqcup$        | $\perp$  | 4       | _                 |              | _         | 75             | $\bot$     | _                  | $\vdash$ | L            |             | Щ               | $\sqcup$        | 4        | ŀ   |       | 125          | $\sqcup$        | _        | _       | 1            | 1_           | 1_     | $\sqcup$ |          |  |
| 26             | +         | +        | <b> </b> | $\vdash \vdash$ | $\dashv$ | +       |                   |              | -         | 76             | +          | +                  | ├-       | <u> </u>     | _           | $\vdash \vdash$ | $\vdash \vdash$ | 4        | 4   |       | 126          | $\vdash \vdash$ | +        | - -     | 4            | 4            | 1      | $\sqcup$ |          |  |
| 27             | ╀         | +        | $\vdash$ | $\vdash \vdash$ | +        | +       | +                 | l ⊢          |           | 77<br>78       | +          | +                  | $\vdash$ | ├-           | $\vdash$    | $\vdash\vdash$  | $\vdash \vdash$ |          | ŀ   |       | 127<br>128   | $\vdash \vdash$ | +        | +       | +            | +            | +      | $\vdash$ | $\dashv$ |  |
| 29             | ╁         | $\dashv$ | $\vdash$ | $\vdash$        | +        | +       |                   | <del> </del> |           | 79             | +          | ╁                  | +        | $\vdash$     | -           | $\vdash$        | $\vdash$        | $\dashv$ | ŀ   |       | 128          | $\vdash$        | +        | +       | +            | +-           | +-     | $\vdash$ | $\dashv$ |  |
| - 23           | ╀         | $\perp$  |          | $\vdash \vdash$ | +        | +       | +                 | I            | $\dashv$  | 19             | _          | -                  | +-       | $\vdash$     | $\vdash$    | $\vdash$        | $\vdash \vdash$ | _        | ŀ   |       | 129          | $\vdash$        |          |         |              | -            |        | 1        | Щ        |  |